

PubMed on Tap User Manual

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PubMed on Tap User Manual

1. What is PubMed on Tap?

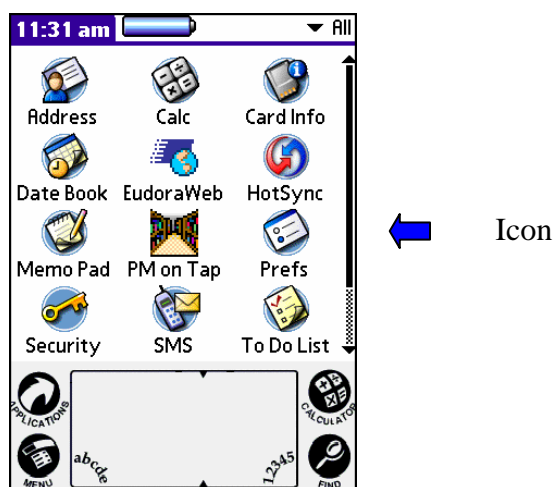
PubMed on Tap, a **research** project of the Communications Engineering Branch of the Lister Hill National Center for Biomedical Communications, National Library of Medicine, is an application to facilitate retrieval of MEDLINE[®] citations from a PDA through a *wireless LAN* and the Internet. The target users for PubMed on Tap are mobile health care professionals. The goal is to provide concise, relevant information to the PDA with a minimum amount of effort from the user.

2. System Requirements

Currently there is only a PubMed on tap client for Palm OS PDAs. To run PubMed on Tap, the PDA must be able to connect to the Internet. This can be through a CDMA or GSM (the cell phone network) connection or through an 802.11 (WiFi) LAN.

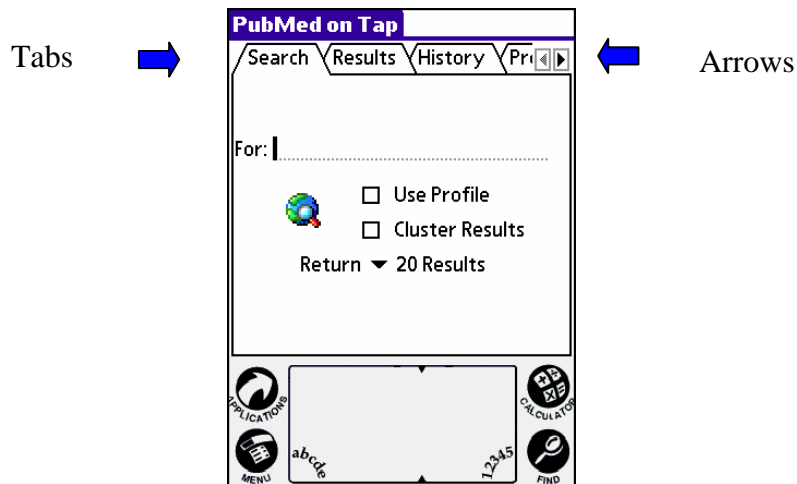
3. Starting PubMed on Tap

To open PubMed on Tap, tap the icon labeled “PM on Tap.”



4. Navigate

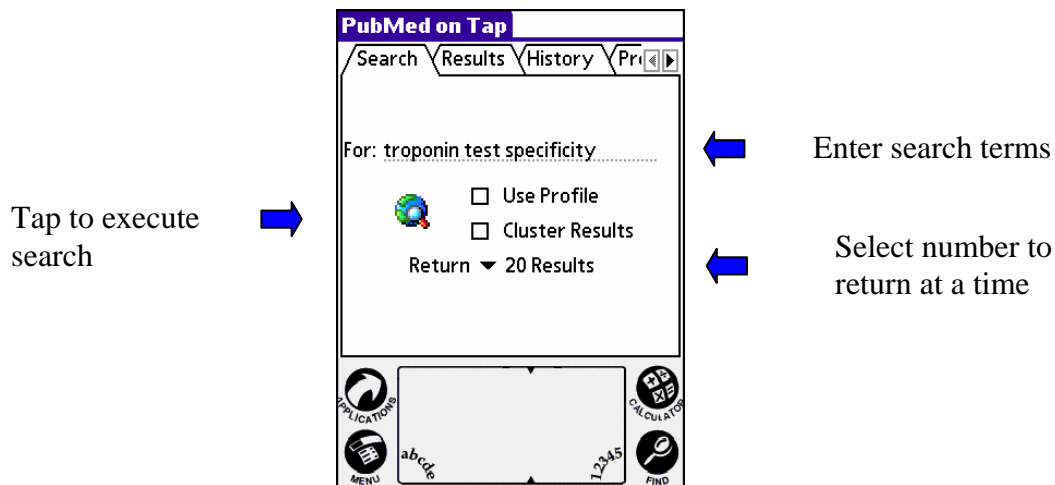
The functions of PubMed on Tap are grouped into tabs. The application opens to the Search tab. The other tabs are brought forward by tapping on the corresponding tab at the top of the screen. The right and left arrows in the upper right corner of the screen are used to scroll through the tabs.



Alternatively, tap the PubMed on Tap banner to open a drop-down box. Move to any of the 5 tabs - Search, Results, History, Profile, or Cluster Results – by tapping it.

5. The Search Tab

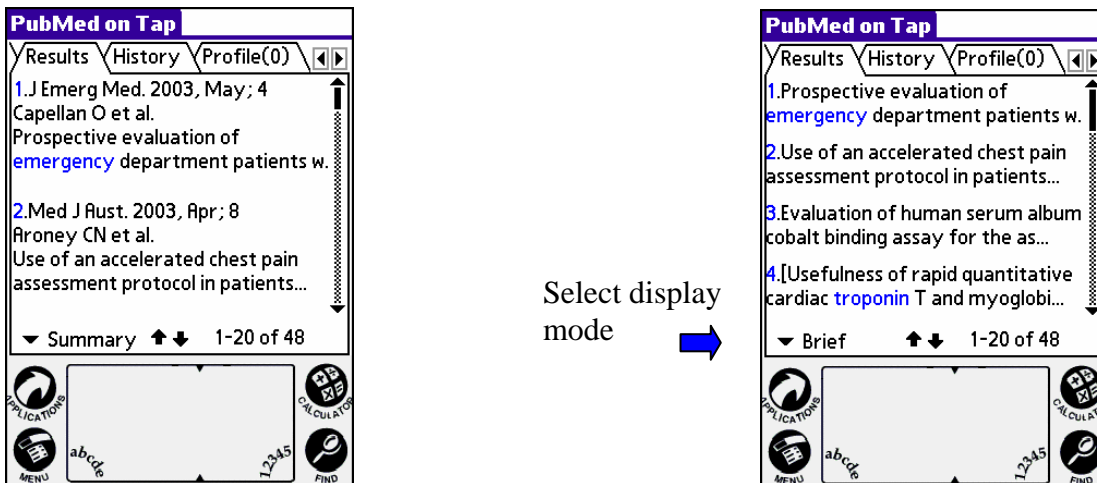
Enter the search terms on the line after “For:” A search for “troponin test specificity” is shown below. You can select a return of 5, 10 or 20 articles at a time by tapping the down arrow next to the word “Return.” The default is 20. Tap the globe/magnifying glass to execute the search.



6. The Results Tab

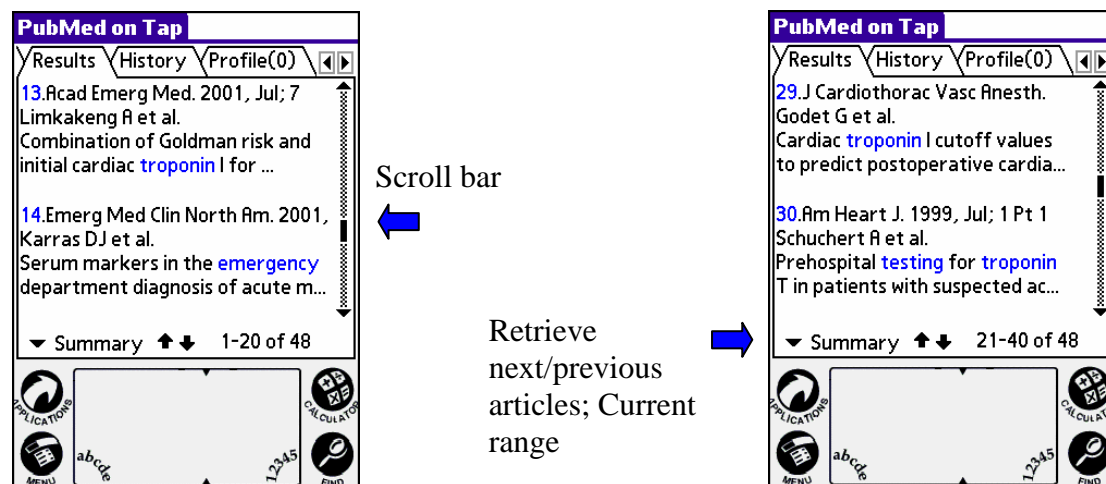
6.1. Display Mode

When results of a search are returned, the display automatically switches to the Results tab. By default, the results are displayed in Summary mode: publication, first author, and up to two lines of text from the title for each article.



You can change to Brief mode by tapping the down arrow in the lower left corner and tapping Brief. Brief mode displays up to two lines of text from the title for each article.

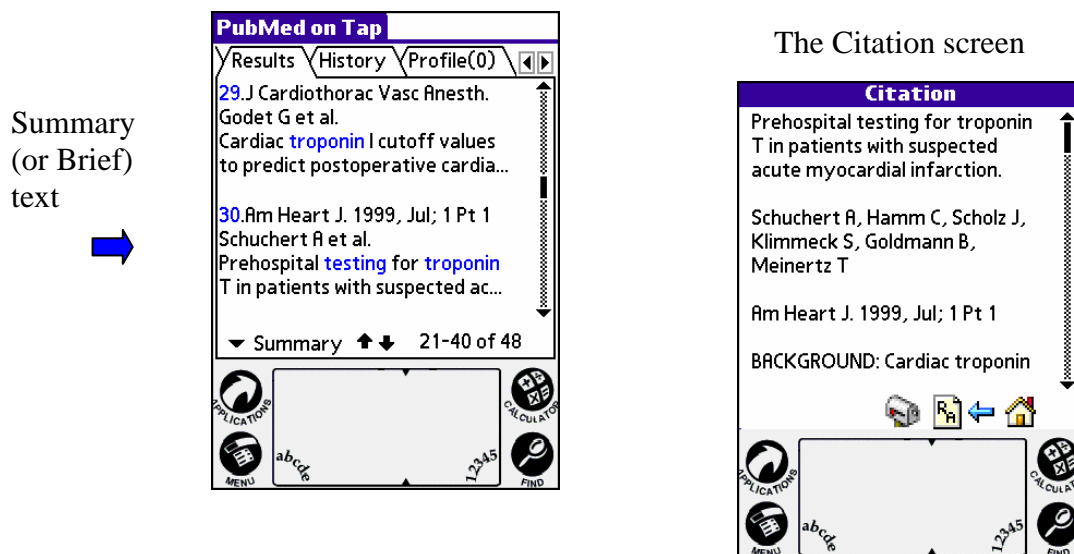
In either mode, use the vertical scroll bar to scroll through the 20 (or 5 or 10) results. Search terms that appear in the title are highlighted.



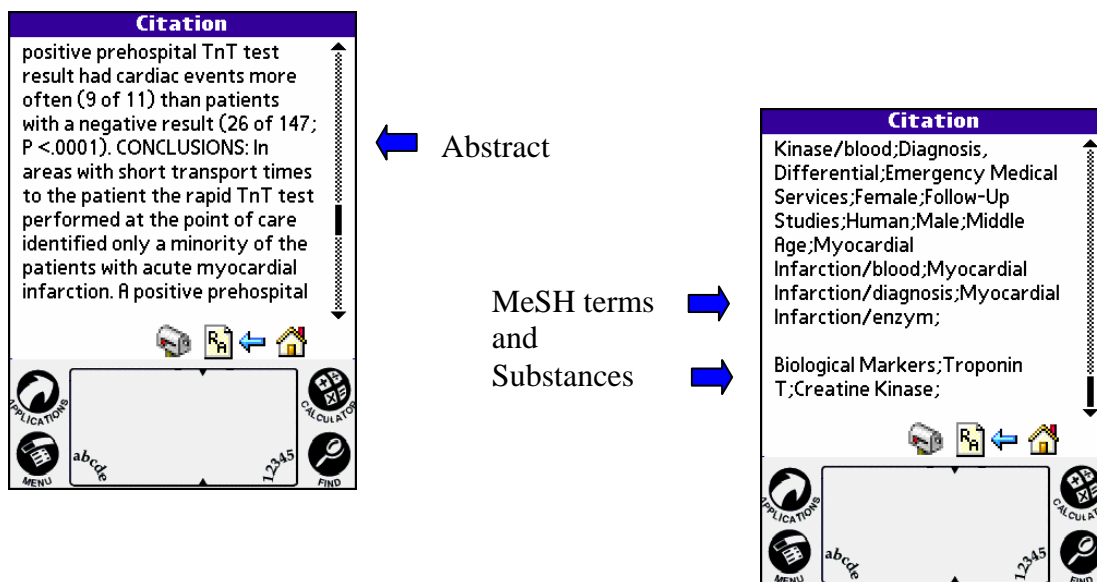
Tap the down (or up) arrow in the bottom center of the screen to retrieve the next (or previous) 20 (5, 10) articles, if there are any. The numbers at the bottom right of the screen show the total number of hits and the range of those currently in the client.

6.2. Seeing the Citation

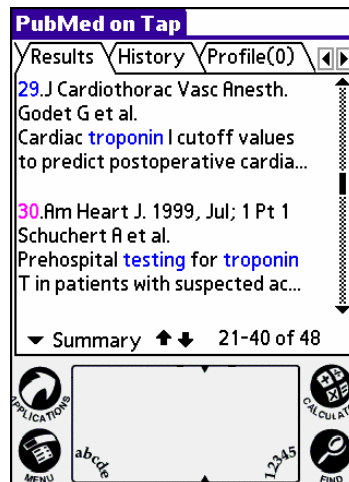
To see the citation for an article, tap anywhere on the Summary or Brief text. PubMed on Tap will retrieve the Citation and display it on a Citation screen.



Use the scroll bar to read the full title, the author list, the publication, the abstract (if there is one), the first author's affiliation, MeSH terms (if the article has been indexed) and Substances. Tap the back arrow to return to the results tab. The article number will have changed from blue to magenta to indicate that the citation has been visited. From the Citation screen, you may also tap the home icon to return to the Search tab.



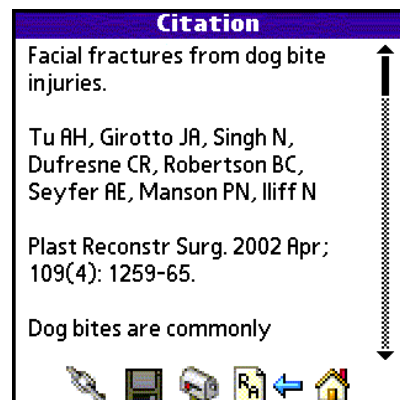
Article number



6.3. LinkOut

The LinkOut icon is present when the full article is available online. If your PDA is equipped with a browser, tap the OutLink icon to go to the provider's Web site and view the full-text article.

LinkOut icon



6.4. Saving to the Memo Pad

Tap the save icon to save the citation to your PDA's Memo Pad. You can upload it to your desktop during the next HotSync.

6.5. Emailing a Citation

To email a single citation, tap the mailbox icon at the bottom of the Citation screen. An email information screen will open. Enter the email address of the recipient in the “Email to” field. You must also enter something in the “Sent From” field. The message field is optional. The text is saved locally and automatically brought up the next time email is selected. You may edit any field for a new email. Tap the Send button to send the citation.

Mailbox
icon



Email Information Screen

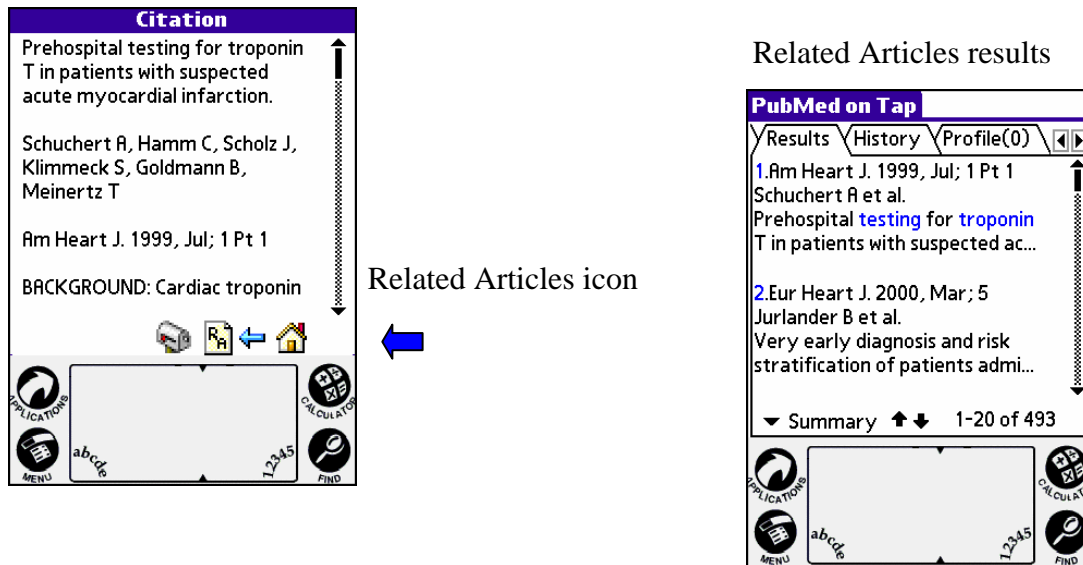
Send button



Tap OK to return to the Citation screen. The Subject line of the sent email will be “MEDLINE citation sent by <contents of the Sent From field>”. Optional Message text will appear in the body of the email preceding the Citation text.

6.6. Related Articles

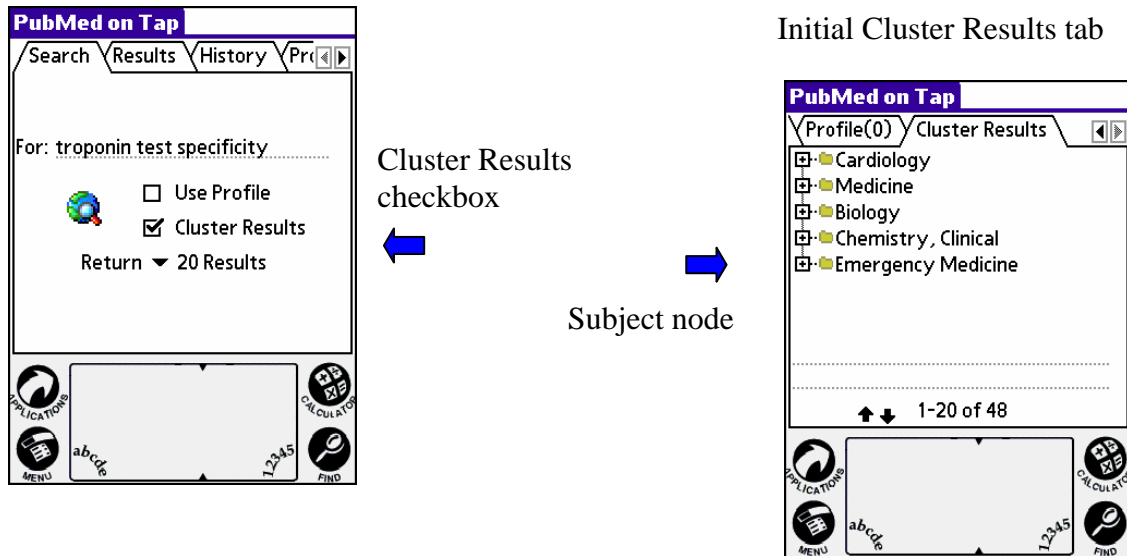
A page icon with the characters RA is at the bottom Citation screen. Tap this icon to retrieve the Related Articles for the given bibliographic record.



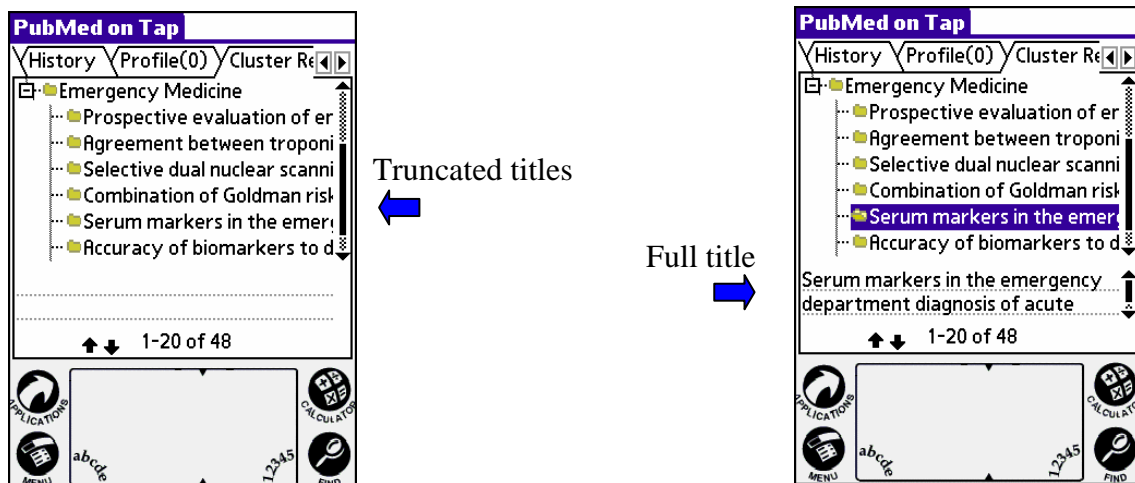
It is not possible to “go back” to the original results from the Related Articles. To see the original results, you must re-execute the original search.

7. The Clustered Results Tab

You may choose to have the search results clustered by Journal Subject: check the Cluster Results box on the Search tab and execute the search. The results automatically appear in a tree hierarchy on the Cluster Results tab.

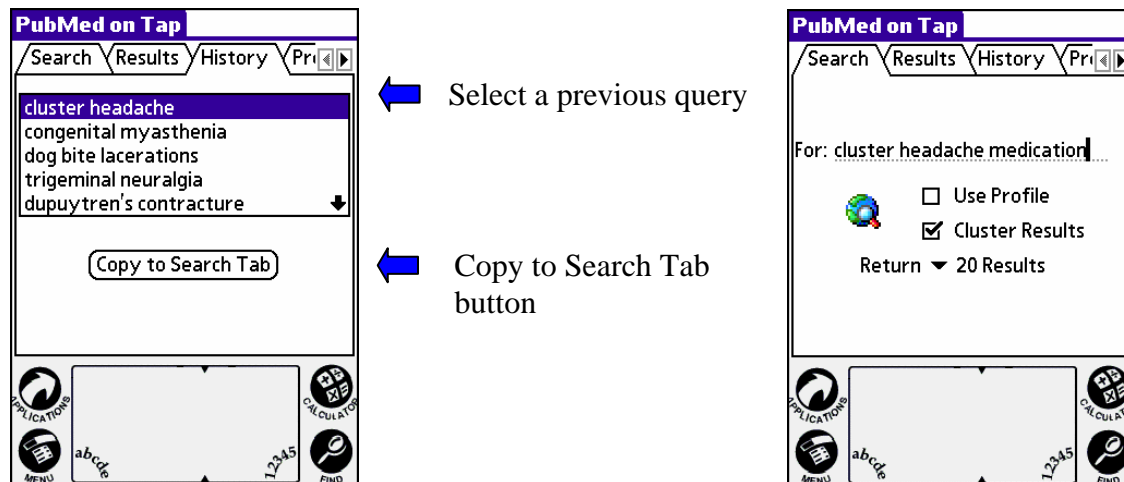


Tap on the plus sign next to a Subject descriptor to expand the node to reveal truncated titles of articles within that Subject area. Tap on a truncated title in the tree to see the full title in the text box below the tree. Tap the full title to retrieve the citation.



8. The History Tab

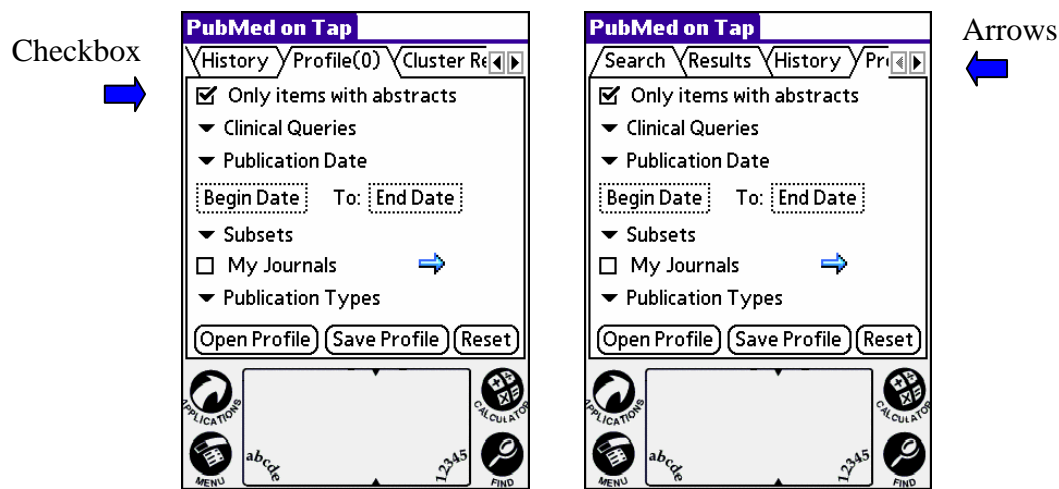
Tap the History Tab to see the previous 20 search strings. Use the up/down arrows to see all the queries. Tap on a search string to select it, and then tap the “Copy to Search Tab” button. The client will automatically switch to the Search tab. In the Search tab, the string may be edited. Tap the globe to execute a new search.



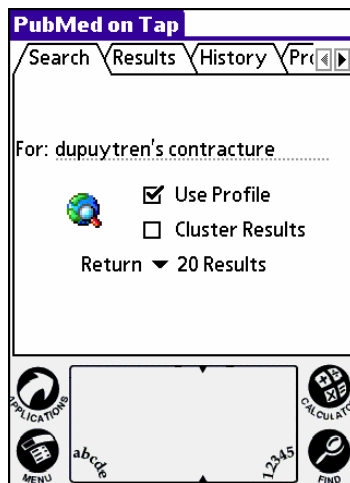
9. The Profile Tab

9.1. General Use

Limits can be applied to a search query by using functions on the Profile Tab. Tap the Profile tab to see the available options. To limit the search to articles with abstracts, tap the checkbox next to “Only items with abstracts.” Use the arrows in the upper right of the screen to bring the Search tab into view and tap it.

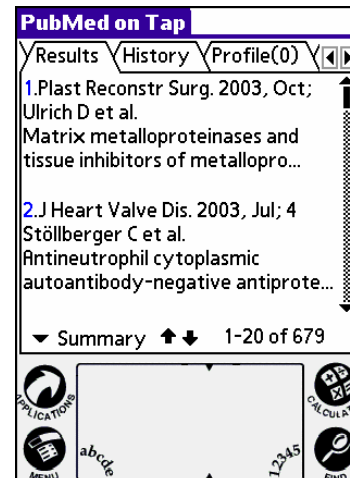


Tap the “Use Profile” checkbox to apply the limits set in the Profile tab to the current search. Tap the globe to execute. In this example, only articles with abstracts are included in the results.



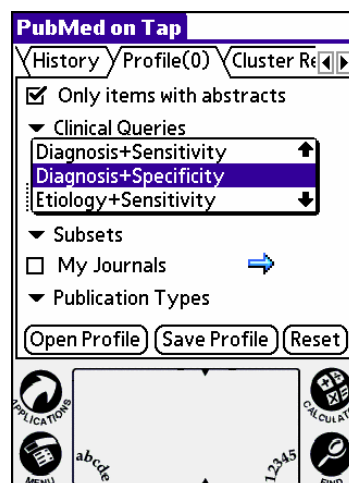
Use Profile checkbox

679 articles with abstracts



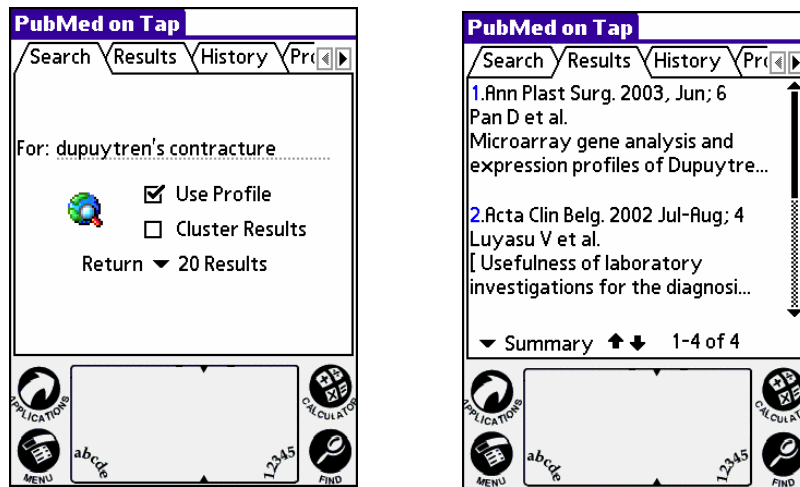
Other PubMed limits currently supported by PubMed on Tap include Clinical Queries, publication date, journal Subsets and Publication Types. Specific limits for Clinical Queries, journal Subsets and Publication Types are selected from drop down lists. For example, to choose a Clinical Query search strategy, tap the down arrow next to “Clinical Queries”, tap the up and down arrows in the box to scroll to the desired query, and select it by tapping it.

Drop down box arrow

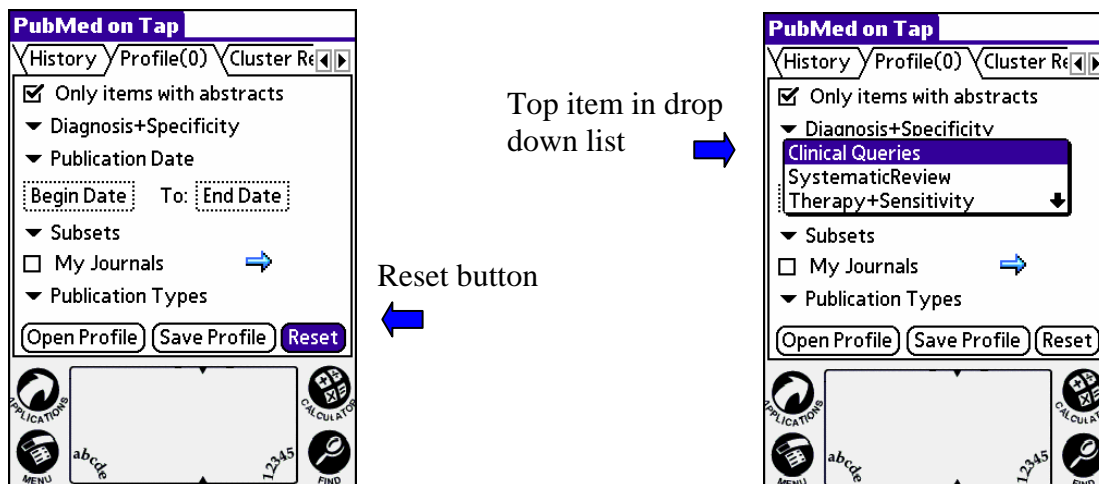


Up/down arrows

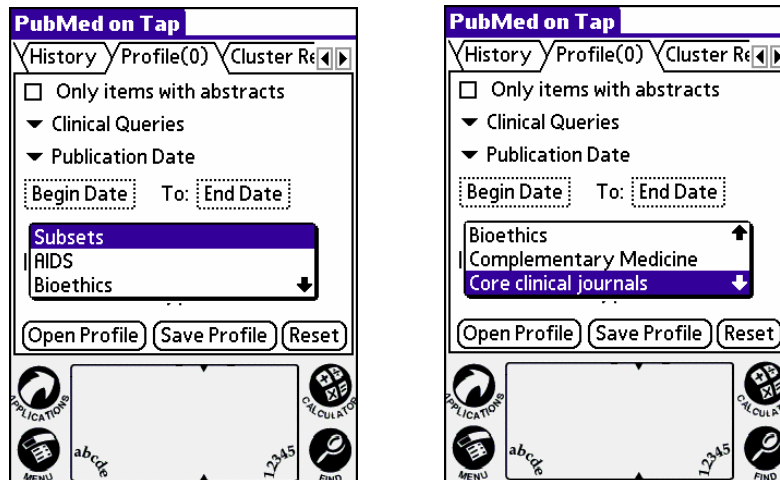
Return to the Search tab, tap the Use Profile checkbox (if it is not already checked), and execute the search. In this example, the four results satisfy the search strategy for Diagnosis and Specificity and have abstracts.



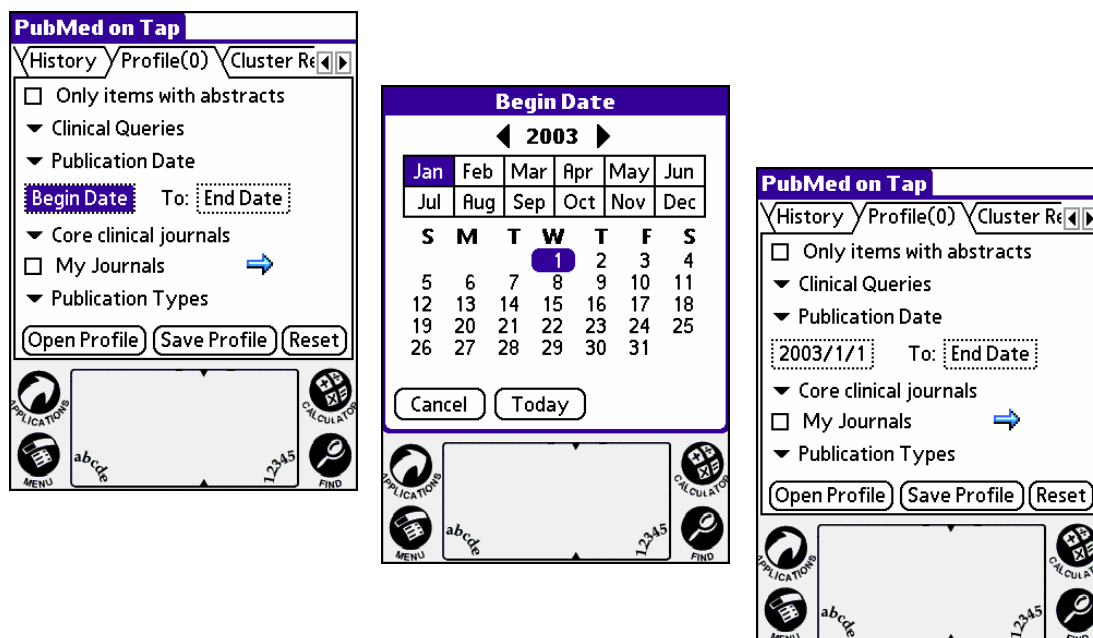
To clear all existing profile settings tap the reset button. To clear only one of the drop down lists, select the top item in the list.

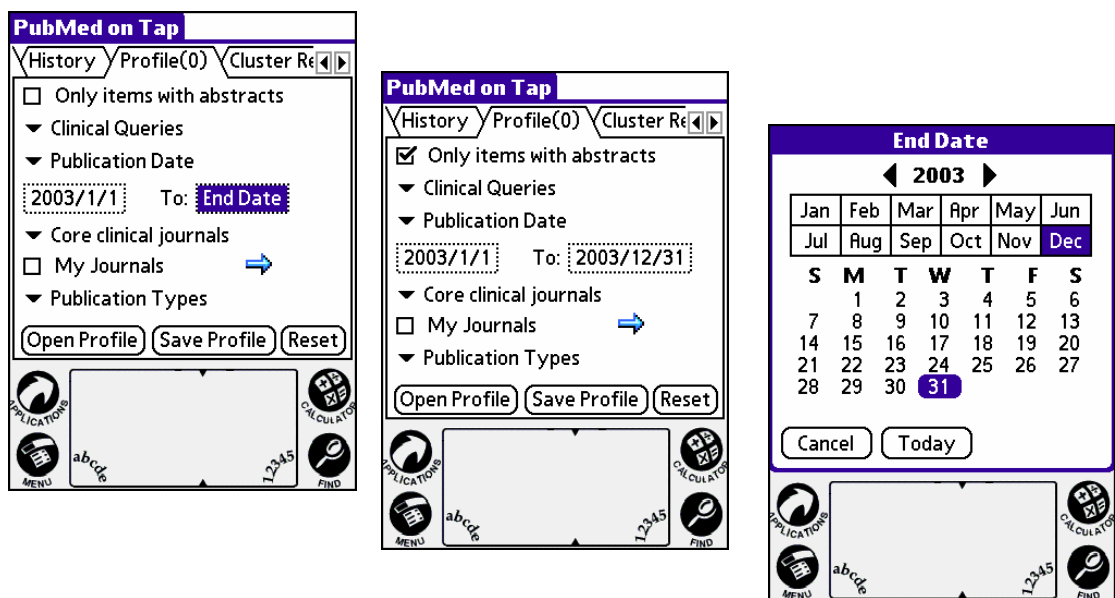


For another example using Profiles, tap the Subsets down arrow and tap the Core Clinical Journals subset.

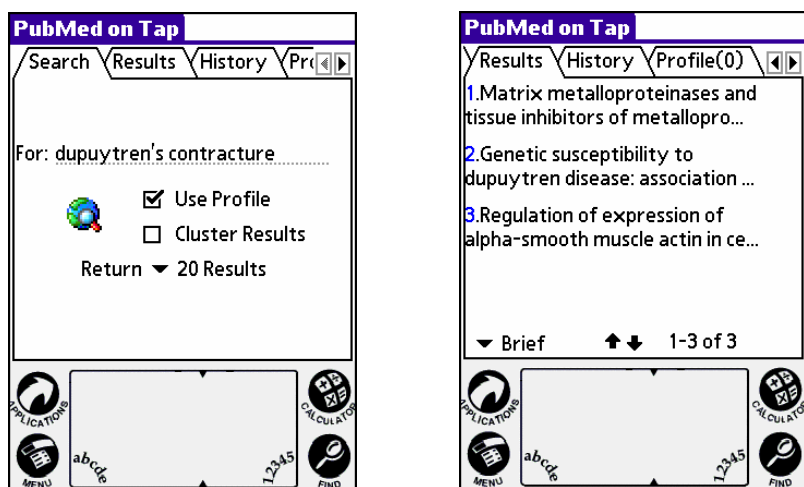


Add a Publication Date range limit by tapping the Begin Date button and choosing a date from the calendar, and then doing the same for the End Date.



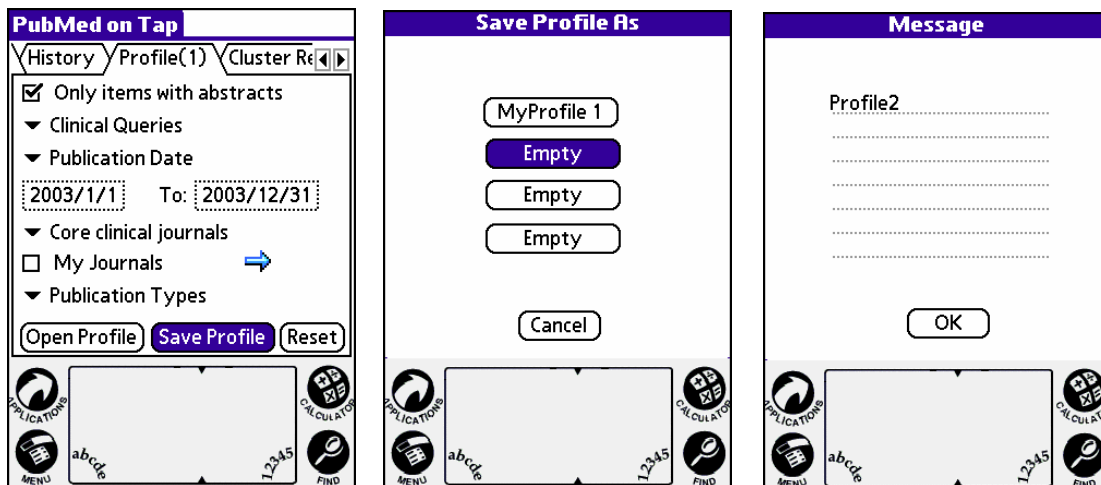


Add the “Only items with abstracts” limit, return to the Search tab and execute. The three results in this example meet all the search criteria.

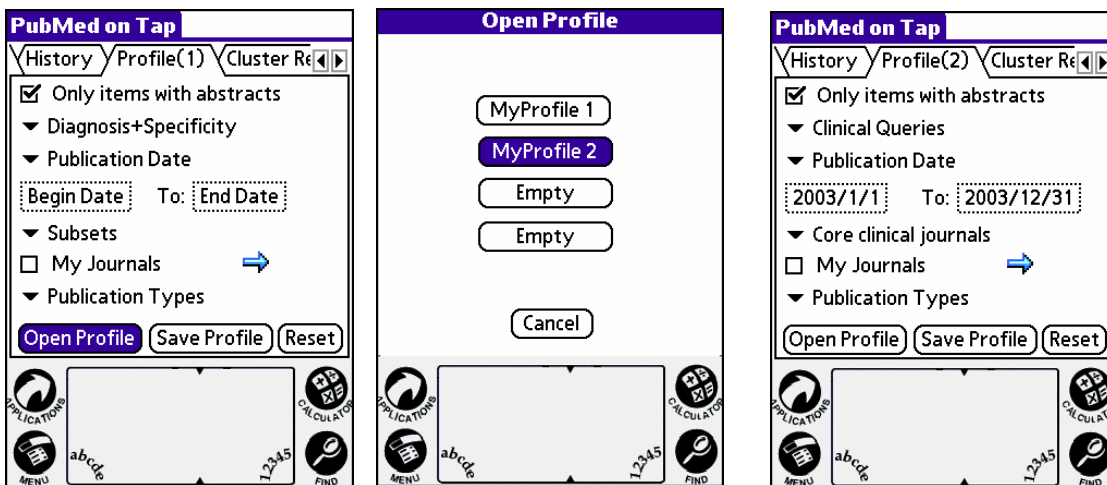


9.2. Saving and Opening Profiles

To save a particular Profile, tap the “Save Profile” button while the desired profile is displayed. The profile from the example above is shown here. Tap one of the Profile buttons to select one of four save locations.

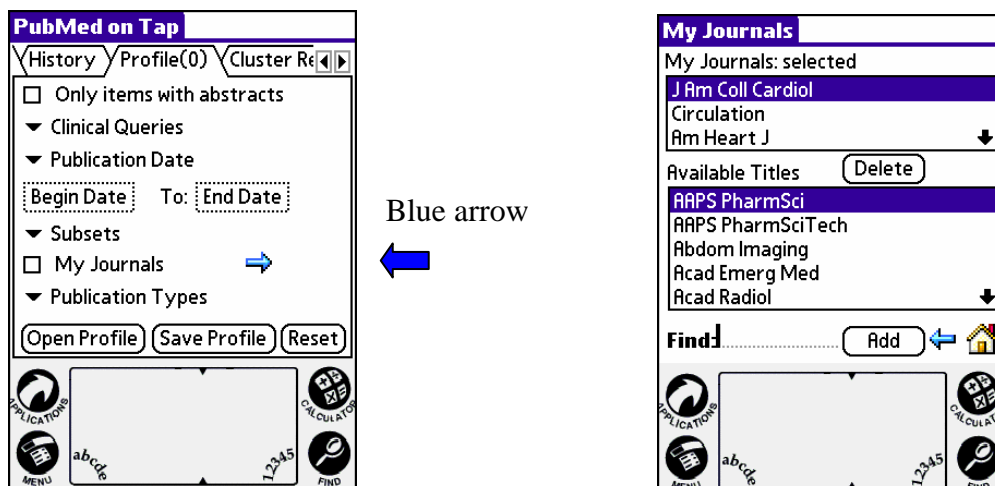


In a later session, that profile can be restored by tapping the Open Profile button and then tapping the button corresponding to the saved profile. Four combinations of limits can be stored locally in this fashion. Here we show switching from Profile 1 to Profile 2.

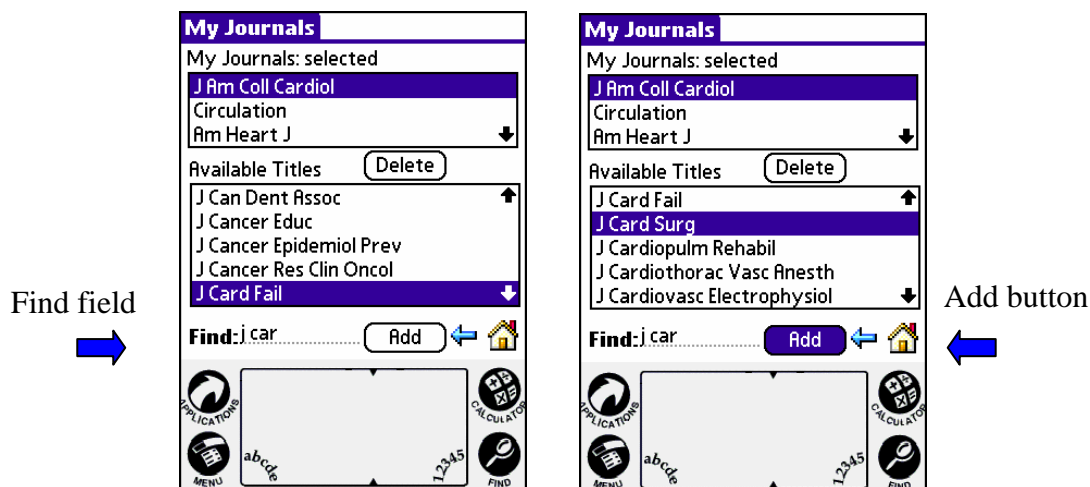


9.3. My Journals

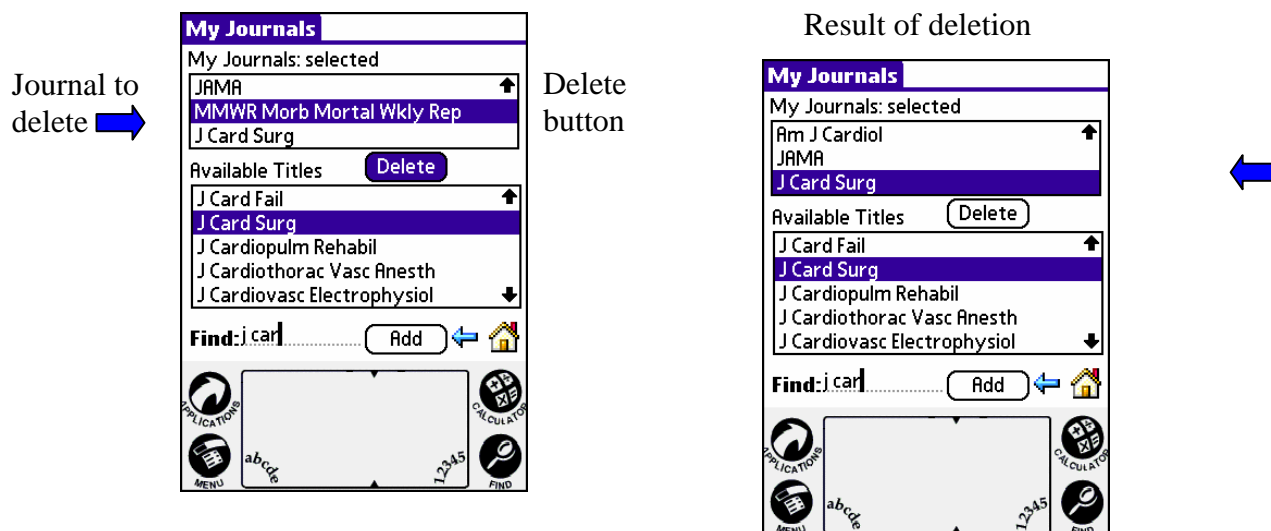
The My Journals feature allows users to select and save locally a personal subset of journals to which the search is limited. The subset of journals may be modified at any time, with the most recently selected subset saved by default. To use this feature, you must have the file journals.pdb loaded on the PDA. To set up or modify the My Journals subset, tap the blue arrow to the right of “My Journals”. This will load the list of journals into the My Journals screen. Because the list is large, it may take a few seconds to load.



The window at the top of the screen lists the journals that have been selected. The window at the bottom of the screen lists the abbreviated titles of about 3000 journals that can be selected. To quickly jump to an abbreviated title, begin spelling the abbreviated title in the Find field at the bottom of the screen. For example, entering “j car” causes the display to jump to “J Card Fail” as shown here.



To add a journal to the subset, scroll to and tap the abbreviated journal title and tap the Add button. The abbreviated journal title will appear in the list at the top of the screen. To remove a journal from the subset, scroll to and tap the abbreviated journal title in the list at the top of the screen, and tap the Delete button.



To return to the Profile tab, tap the blue back arrow at the bottom of the screen. The My Journals subset is saved automatically. To include the My Journals limitation as part of the Profile, tap the checkbox to the left of “My Journals.” The most recent subset will be used when the box is checked.

My Journals may be used with other limits. In the example shown here, the Profile has limited the results to articles with abstracts that are in the set of six journals in the My Journals subset.

